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CUSTOMER NUMBER 25268

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Minoru Taya et al. Attorney Docket No. UNIV0216

Serial No.: 10/790,634 Group Art Unit:

Filed: February 27, 2004 Examiner:

Title: DESIGN OF FERROMAGNETIC SHAPE MEMORY ALLOY COMPOSITES
AND ACTUATORS INCORPORATING SUCH MATERIALS

INFORMATION DISCLOSURE STATEMENT

Bellevue, Washington 98004

May 12, 2004

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

- ☒ 1. Copies of the listed non-U.S. patent publications and other information are enclosed for the Examiner's use.
- ☐ 2. Copies of the listed patents, publications, and other information were previously cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. § 120.
- ☐ 3. A concise explanation of the relevance of document I.D. No. _____ (which is not in the English language), as presently understood by the individual designated under 37 C.F.R. § 1.56(c) most knowledgeable about its content, is provided _____.
- ☒ 4. Pursuant to 37 C.F.R. § 1.97(b), this information disclosure statement is being filed within three months of the filing date of the national application, within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, or before the mailing date of a first Office Action on the merits.
- ☐ 5. Pursuant to 37 C.F.R. § 1.97(c), this information disclosure statement is being filed after the period set forth in 37 C.F.R. § 1.97(b) but before the mailing date of either a final action under 37 C.F.R. § 1.113, or a notice of allowance under 37 C.F.R. § 1.311, and is accompanied by:
- a. _____ a certification as specified in 37 C.F.R. § 1.97(e); or
- b. _____ the fee set forth in 37 C.F.R. § 1.17(p). Check No. _____ in the amount of \$ _____ is enclosed.



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INFORMATION DISCLOSURE STATEMENT LISTING SHEET

**Information Cited By Applicant(s) That May Be Material To
The Prosecution Of The Subject Application**

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U.S. PATENT DOCUMENTS

NONE CITED

FOREIGN PATENT DOCUMENTS

NONE CITED

OTHER INFORMATION

<u>*Examiner</u> <u>Initial</u>	<u>Document</u> <u>No.</u>	<u>Document Information</u>
_____	O1	Matsunaga, Yasuhiro et al. "Design of ferromagnetic shape memory alloy composites based on TiNi for robust and fast actuators." 2002. Proc. SPIE on Smart Materials. March 17-21, 2002: 4699:172. 10pp.
_____	O2	Wada, Taishi and Taya, Minoru. "Spring-based actuators." Smart Structures and Materials 2002: Active Materials: Behavior and Mechanics, Christopher S. Lynch, Editor, Proceedings of SPIE Vol. 4699 (2002). pp. 294-302.

Examiner's Signature

Date

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RMA:klp
5/12/04